

Multiplelabs
Turnkey Laboratories Solutions



Analytical[®]
Technologies Limited

iVent ICU-3000

ICU Ventilator



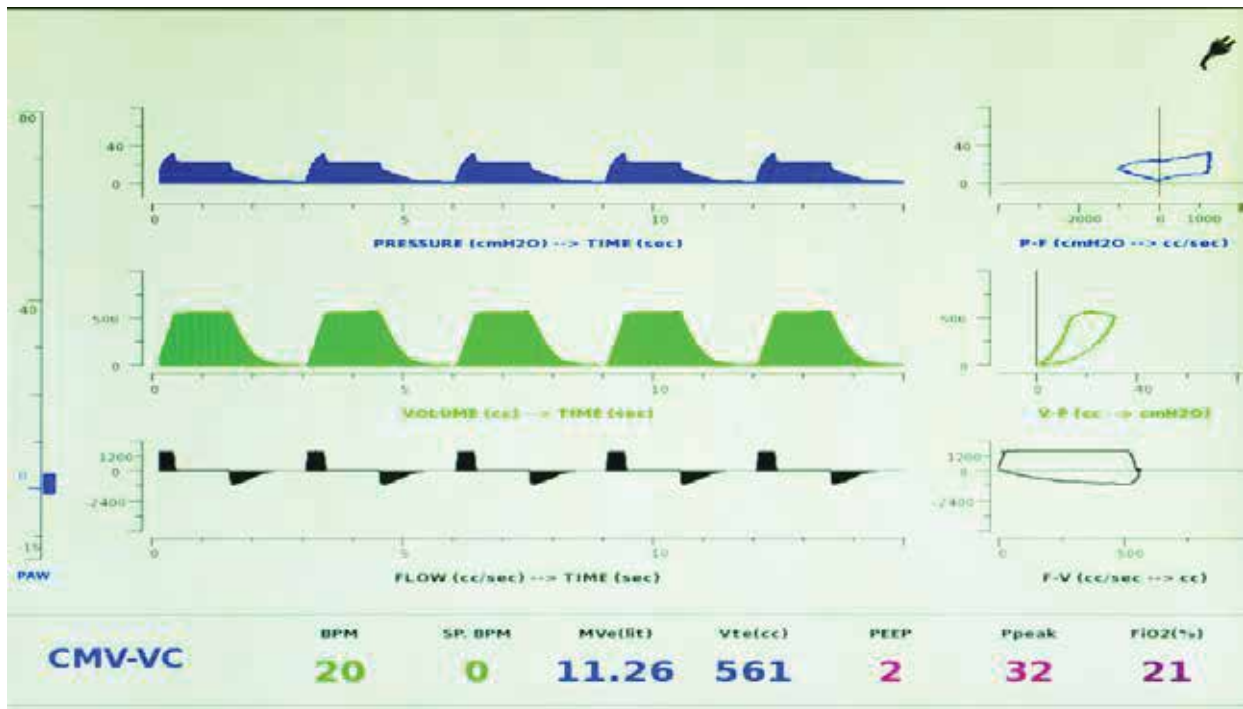
EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► ICU Ventilator with Wide Range of Clinical Solutions



Complete Care to Critical Care Patients :

iVent ICU-3000 is full point to your search. iVent ICU-3000 has the widest choice of modes to treat every patient. It has basic modes to ventilate fully paralyzed, passive or active patients. iVent ICU-3000 offers solutions to ventilate complex patients where therapist needs Advanced Modes, AUTO Modes or Spontaneous Modes. These modes not only offer mechanical ventilation but also provide utmost safety and backup ventilation to patients. The Non-Invasive Modes allow access to quick ventilatory support prior to intubation and easy weaning after extubation.

Ventilator For All

Wide Choice of Modes : Basic, Advanced, Auto & Spontaneous Modes

- Modes to Suit Every Patient
- Invasive & Non-Invasive Modes

Ease of Use

- User Friendly Setting Menu
- Dual Display
- Large TFT Display - Ease of Viewing
- Dedicated Keys for Critical Parameters
- Simultaneous Display of All Lung Dynamics



Economy of Operation-Lowest Cost per Patient

- Reusable-Long Life Flow Sensors : Sensor Life more than 5 years
- Long Life O2 Sensor : 3 years Under Moderate Use
- Expired Gas Bacteria Filter : Reusable for 100 Cycles
- Minimum Parts To Be Replaced Between Patients

Your Reliable Partner in Ventilation

- The Lowest Operating Cost Per Patient
- Designed For Harsh Operating Conditions
- Built To Last Long
- Supported by Excellent After Sales Services

►► Modes of Ventilation

Volume Control Modes	CMV-VC, ASSIST-VC, SIMV-VC/PS
Pressure Control Modes	CMV-PC, ASSIST-PC, SIMV-PC/PS
Advanced Modes	PRVC/VS, APRV, BiLevel-TS
Auto Modes	PSV-Auto, VS-Auto
Spontaneous Modes	SPON-CPAP/PS
Non-Invasive Modes	CPAP-NIV, Bi-NIV-TS

►► Settable Parameters

Breaths per Minute (BPM)	Up to 120
Tidal Volume (VT)	20 to 3000 cc
Inspiratory Time (Ti)	Up to 4 Sec
FiO2	21 to 100%
Trigger	Pressure, Flow

►► Controlled Parameters

Expiratory Time, Pressure Control Range, Pressure Support Range, PEEP, Trigger Level, Apnea Back-up Time, Inspiratory Pause, Tube Compensation, Nebulisation, Inspiratory Hold, Inspiratory Pressure Safety Limit

►► Measured Parameters

Expiratory Time, Pressure Control Range, Pressure Support Range, PEEP, Trigger Level, Apnea Back-up Time, Inspiratory Pause, Tube Compensation, Nebulisation, Inspiratory Hold, Inspiratory Pressure Safety Limit



►► Alarms

Airway Pressure, Tidal Volume, Inspired FiO₂, PEEP, Breaths per Minutes, APNEA, Patient Disconnection Input Gas Pressure

►► Curves & Loops

Airway Pressure v/s Time, Tidal Volume v/s Time, Flow v/s Time Pressure v/s Flow, Flow v/s Volume, Volume v/s Pressure

►► Pneumatic Inputt

Medical Grade Air	2.7-6 Bar (39-87 psi)
Medial Grade Oxygen	2.7-5 Bar (39-87 psi)
Gas Consumption	50 lpm. average, 150 lpm. peak

►► Electrical Input

Mains Supply	175-260 V/90-132 V, AC, 50/60 Hz
Internal Battery Back-up	90 Minutes
External Back-up Supply	10-15 Volts DC (optional)
Power Consumption	70 W for Basic Ventilator
Standard Accessories	Breathing Circuit
Optional Accessories	Humidifier, Medical Grade Compressor

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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